

Recombinant Rat Uncoupling Protein 3 (mitochondrial, proton carrier)

Cat. No. Ucp3-5148R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Ucp3 is a <3 kDa protein and has preferential expression in muscle and it is unaffected by cold acclimation.
Species	Rat
Source	Rat
Description	Uncoupling proteins (UCP1-5) are a family of mitochondria transport proteins that play a critical role in thermoregulatory heat production and maintenance of basal metabolic rate. Ucp3 is predicted to contain 6 transmembrane domains. The Ucp3S lacks the 6th transmembrane domain and it is only 275 aa long.
Form	Lyophilized from PBS, pH 7.5, with 0.05% NaN ₃ . Reconstitute in PBS to 1 mg/ml.
Molecular Mass	<3 kDa
Applications	ELISA
Storage	Store at 4 deg C for short term storage. Aliquot and store at -20 deg C for long term storage. Avoid repeated freeze/thaw cycles.
Official Symbol	Ucp3

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	Ucp3 uncoupling protein 3 (mitochondrial, proton carrier)[<i>Rattus norvegicus</i>]
Synonyms	Ucp3; uncoupling protein 3(mitochondrial, proton carrier); mitochondrial uncoupling protein 3; UCP 3; solute carrierfamily 25 member 9; Uncoupling protein 3, mitochondrial
Gene ID	25708
mRNA Refseq	NM_013167
Protein Refseq	NP_037299
Chromosome Location	1q32
Pathway	Diurnally regulated geneswith circadian orthologs; Electron Transport Chain; Mitochondrial UncouplingProteins; Respiratory electron transport; The fatty acid cycling model
Function	binding;hydrogen ion transmembrane transporter activity; oxidative phosphorylationuncoupler activity